

Notice of Allowability

Application No.

10/085,732

Applicant(s)

KITAGUCHI ET AL.

Examiner

Abbas I. Abdulsalam

Art Unit

2629

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 05/01/06.
2. ☒ The allowed claim(s) is/are 1-8 and 10-57.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some* c) ☐ None of the:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date 6-3-02
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material

5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☒ Interview Summary (PTO-413),
Paper No./Mail Date _____.
7. ☒ Examiner's Amendment/Comment
8. ☐ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____.


RICHARD HJERPE
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2600

DETAILED ACTION

EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Surinder Sachar on 04/28/06.

Applicant has amended claims 31-37 as follows.

Claim 31 (Amended): A [software program for operating a] projection-type display device which comprises:

a projection surface on which a predetermined projection image is displayed through projection from a rear side;

a writing surface on which an image can be drawn directly from a front side in a superimposing manner with the projection image displayed on said projection surface;

a photography part photographing an image drawn on said writing surface from the rear side;

a blocking part blocking a light beam emitted from a projecting part projecting the light beam onto said projection surface so as to display the projection image thereon, wherein when said photography part photographs an image said blocking part blocks the light beam emitted

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from the projecting part so as to prevent all of the light beam from being applied to the projection surface [,] ; and

[wherein said] a software program [is] read by a computer which performs the following steps:

- a) making said photography part to take a photograph of said writing surface; and
- b) extracting an image drawn by a user onto said writing surface, from the photographed image obtained through said step a).

Claim 32 (Amended): The [software program] projection-type display device as claimed in claim 31, wherein said software program causes the computer to further perform the following step: c) combining at least a part of the projection image projected onto said projection surface with the user-drawn image extracted by said step b).

Claim 33 (Amended): The [software program] projection-type display device as claimed in claim 32, wherein said software program causes the computer to further perform the following steps: d) causing a user to select a mode between a first photography mode in which the user-drawn image is obtained and a second photography mode in which the combined image is obtained.

Claim 34 (Amended): The [software program] projection-type display device as claimed in claim 31, wherein said software program causes the computer to further perform the following steps: c) causing said photography part to take a plurality of photographs of respective ones of a

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predetermined plurality of divisions of said writing surface; and d) combining a thus-obtained plurality of photographed images.

Claim35 (Amended): The [software program] projection-type display device as claimed in claim 31, wherein said software program causes the computer to further perform the following steps: c) moving a photography area of said photography part on said writing surface; d) causing said photography part to take a photograph several times in a manner such that the photography area thereof each time corresponds to a different division of said writing surface; and e) combining photographed images obtained through the several times of photography.

Claim 36 (Amended): The [software program] projection-type display device as claimed in claim 34, causing the computer to further perform the following steps: e) causing a user to determine at least one of whether or not a dividing photography is performed in which a part or all of said writing surface is divided and each division is photographed, and the number of divisions in the dividing photography.

Claim 37 (Amended): The [software program] projection-type display device as claimed in claim 35, causing the computer to further perform the following steps: f) causing a user to determine at least one of whether or not a dividing photography is performed in which a part or all of said writing surface is divided and each division is photographed, and the number of divisions in the dividing photography.

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2. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Abbas I. Abdulsalam whose telephone number is 571-272-7685.

The examiner can normally be reached on Monday through Friday from 9:00 A.M. to 5:30 P.M.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Richard Hjerpe, can be reached on 571-272-7691. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Abbas Abdulsalam

Examiner

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May 19, 2006



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SUPERVISORY PATENT EXAMINER
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